
APPENDIX C: RELEVANT PAGES FROM PROBE CALIBRATION REPORT(S)

See the following pages.

17556
 3/2-04
 3

Client **Nokia DK**

CALIBRATION CERTIFICATE

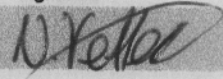
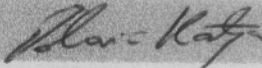
Object(s) **ET3DV6R - SN:1429**
Calibration procedure(s) **QA CAL-01.v2**
 Calibration procedure for dosimetric E-field probes
Calibration date: **January 21, 2004**
Condition of the calibrated item **In Tolerance (according to the specific calibration document)**

This calibration certificate documents the traceability to national standards, which realize the physical units of measurements (SI).
 The measurements and the uncertainties with confidence probability are given on the following pages and are part of the certificate.

All calibrations have been conducted in the closed laboratory facility: environment temperature 22 +/- 2 degrees Celsius and humidity < 75%.

Calibration Equipment used (M&TE critical for calibration)

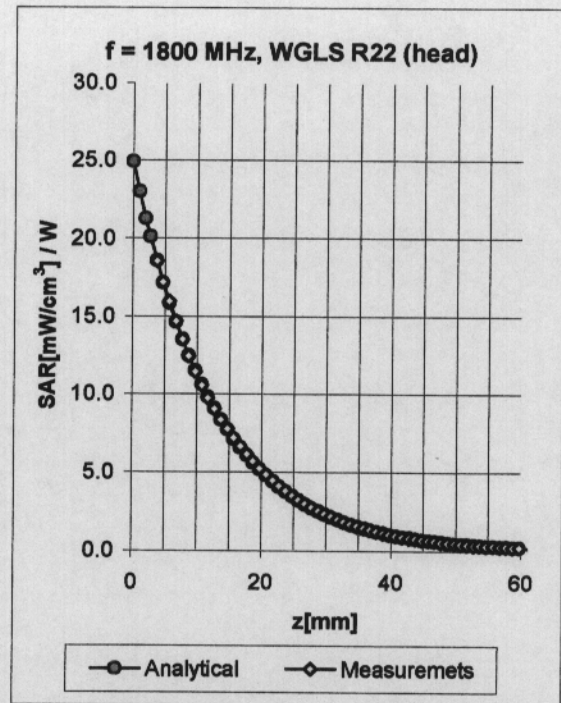
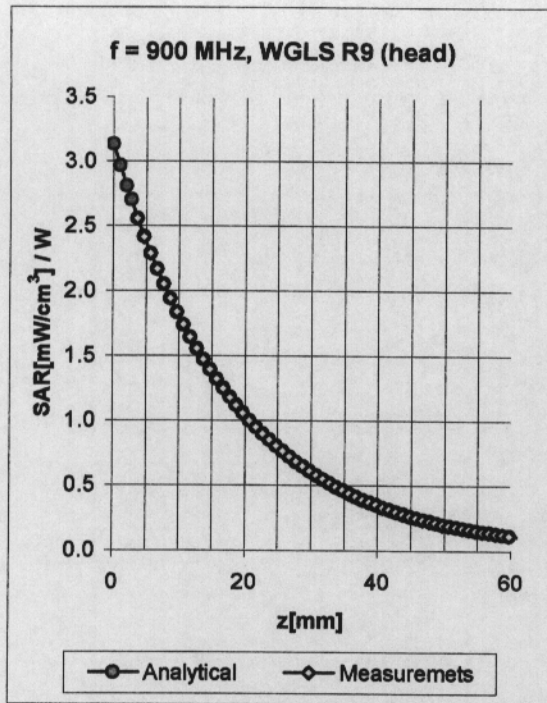
| Model Type | ID # | Cal Date (Calibrated by, Certificate No.) | Scheduled Calibration |
|-----------------------------------|----------------|---|------------------------|
| Power meter EPM E4419B | GB41293874 | 2-Apr-03 (METAS, No 252-0250) | Apr-04 |
| Power sensor E4412A | MY41495277 | 2-Apr-03 (METAS, No 252-0250) | Apr-04 |
| Reference 20 dB Attenuator | SN: 5086 (20b) | 3-Apr-03 (METAS, No. 251-0340) | Apr-04 |
| Fluke Process Calibrator Type 702 | SN: 6295803 | 8-Sep-03 (Sintrel SCS No. E-030020) | Sep-04 |
| Power sensor HP 8481A | MY41092180 | 18-Sep-02 (SPEAG, in house check Oct-03) | In house check: Oct 05 |
| RF generator HP 8684C | US3642U01700 | 4-Aug-99 (SPEAG, in house check Aug-02) | In house check: Aug-05 |
| Network Analyzer HP 8753E | US37390585 | 18-Oct-01 (SPEAG, in house check Oct-03) | In house check: Oct 05 |

| | | | |
|-----------------------|---------------|---------------------|---|
| | Name | Function | Signature |
| Calibrated by: | Nico Vetterli | Technician |  |
| Approved by: | Katja Pokovic | Laboratory Director |  |

Date issued: January 22, 2004

This calibration certificate is issued as an intermediate solution until the accreditation process (based on ISO/IEC 17025 International Standard) for Calibration Laboratory of Schmid & Partner Engineering AG is completed.

Conversion Factor Assessment



| f [MHz] | Validity [MHz] ^B | Tissue | Permittivity | Conductivity | Alpha | Depth | ConvF Uncertainty |
|---------|-----------------------------|--------|--------------|--------------|-------|-------|--------------------|
| 900 | 800-1000 | Head | 41.5 ± 5% | 0.97 ± 5% | 0.51 | 1.96 | 6.09 ± 11.3% (k=2) |
| 1800 | 1710-1910 | Head | 40.0 ± 5% | 1.40 ± 5% | 0.47 | 2.60 | 4.87 ± 11.7% (k=2) |
| 900 | 800-1000 | Body | 55.0 ± 5% | 1.05 ± 5% | 0.48 | 2.10 | 5.91 ± 11.3% (k=2) |
| 1800 | 1710-1910 | Body | 53.3 ± 5% | 1.52 ± 5% | 0.55 | 2.70 | 4.33 ± 11.7% (k=2) |

^B The total standard uncertainty is calculated as root-sum-square of standard uncertainty of the Conversion Factor at calibration frequency and the standard uncertainty for the indicated frequency band.